

Delete the paragraph bridging Pages 6 and 7 and substitute therefor the following:

The finished machined enlarged skeletal structure is dense-sintered. Depending on the material used and powder morphology, the temperatures normally vary in the range from 1100 to 1600 °C. So a density from 90 to 100% of the theoretically possible density, preferably a density from 96 to 100% of the theoretically possible density, in particular more than 99% of the theoretically achievable density can be achieved. During sintering the skeletal structure shrinks linearly without further deformation or distortion. This allows sinter baking without the sinter stump also contracting. The shrinkage S is calculated according to equation (1) from the relative density of the blank ρ_R before sintering and the achievable relative density ρ_S after sintering:

$$s = 3 \sqrt[3]{\frac{\rho_R}{\rho_S}} - 1 \quad (2)$$

After sintering, the shrunken ceramic skeletal structure is given a coating of porcelain or plastic in a conventional bake-on process at temperatures of 700 to 1100°C. One or more layers of porcelain or plastic can be applied. Thus the tooth crown or tooth bridge is given an individual appearance. The tooth crown or tooth bridge is then attached to the prepared dental stump by cement where conventional cementing materials and preparation procedures are used.